

SYSTEM AND METHOD FOR ESTABLISHING BLUETOOTH COMMUNICATIONS

ABSTRACT OF THE INVENTION

5 A system and method have been provided for establishing
communications with an existing Bluetooth protocol piconet. The
master device of the piconet broadcasts a beacon frequency at a
predetermined frequency. The beacon frequency includes the
BD_addr of the master device, as well as clock information, so that an
10 inquiring device monitoring the beacon can acquire the system timing
and transmission hopping frequency sequence. In a contention
period following the beacon frequency, the inquiring device transmits
its own BD_addr. In response to receiving the inquiring device
BD_addr, the master device provides the inquiring device with an
15 AM_addr.

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